

Google Cloud Data Analytics

COURSE OVERVIEW

This course introduces participants to the tools, techniques, and best practices for analyzing data at scale using the Google Cloud Platform (GCP). It covers essential services such as BigQuery, Cloud Dataflow, Cloud Dataprep, and Looker, helping participants gain practical skills in data exploration, processing, and visualization. Through this course, participants will learn how to build data pipelines, perform real-time and batch analytics, and derive insights using SQL and machine learning tools integrated with GCP.

WHO SHOULD ATTEND?

This course is ideal for data analysts, data engineers, business intelligence professionals, and anyone involved in managing or analyzing large-scale data on the Google Cloud Platform. It benefits individuals looking to expand their skills in cloud-based data analytics, build data pipelines, and leverage powerful GCP tools for data processing and visualization. The course is also valuable for professionals preparing to integrate cloud data solutions into their organization's data strategy and those aiming to enhance their analytical capabilities using Google Cloud.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand and use Google Cloud Platform services such as BigQuery, Cloud Dataflow, Cloud Dataprep, and Looker for data analytics.
- Build and manage data pipelines for both real-time and batch data processing.
- Perform data exploration and transformation using SQL and other analytics tools on GCP.
- Analyze large datasets efficiently and generate insights using BigQuery.
- Apply machine learning techniques to data analytics using GCP's integrated tools.
- Visualize data effectively using Looker and other reporting tools within GCP.
- Optimize data processing workflows for scalability and cost-efficiency.
- Implement security best practices for data storage and access on Google Cloud.
- Integrate and manage data across various Google Cloud services.
- Leverage GCP tools to support data-driven decision-making and business intelligence initiatives.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Analyzing data at scale using Google Cloud Platform (GCP).
- Hands-on experience with BigQuery, Cloud Dataflow, Cloud Dataprep, and Looker.
- Building data pipelines for real-time and batch processing.
- Data exploration, processing, and visualization techniques.
- Using SQL and machine learning tools on GCP to derive insights.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded